

**Site 12 Field Work Update
Westside/ Bayside/ North Point**

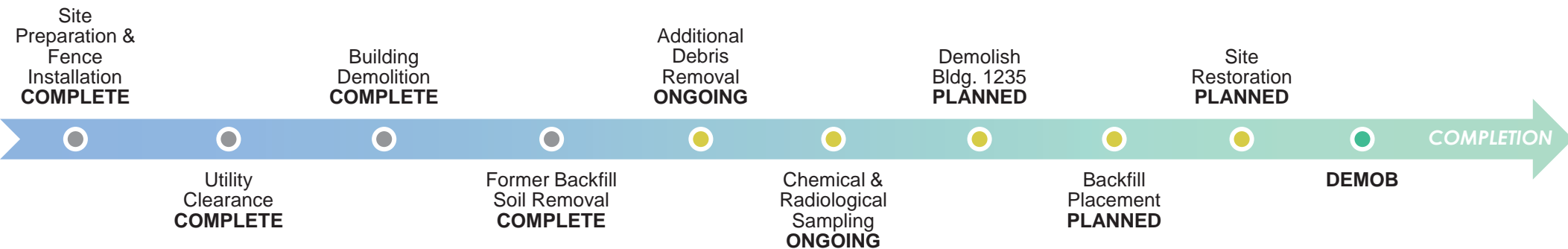
**NAVAL STATION TREASURE ISLAND
SAN FRANCISCO, CALIFORNIA**

**BCT Meeting
October 21, 2015**

Site 12 Field Work Update

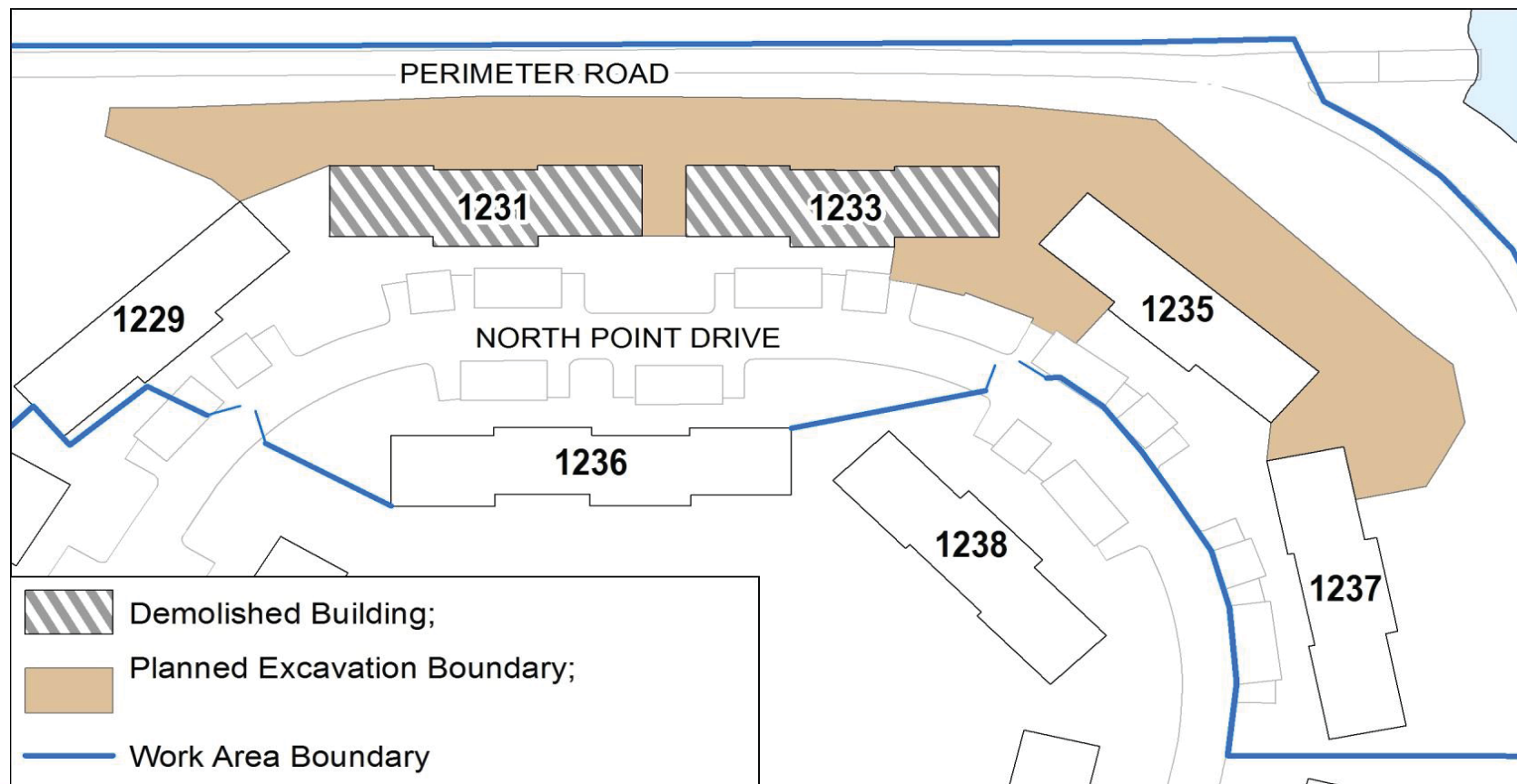
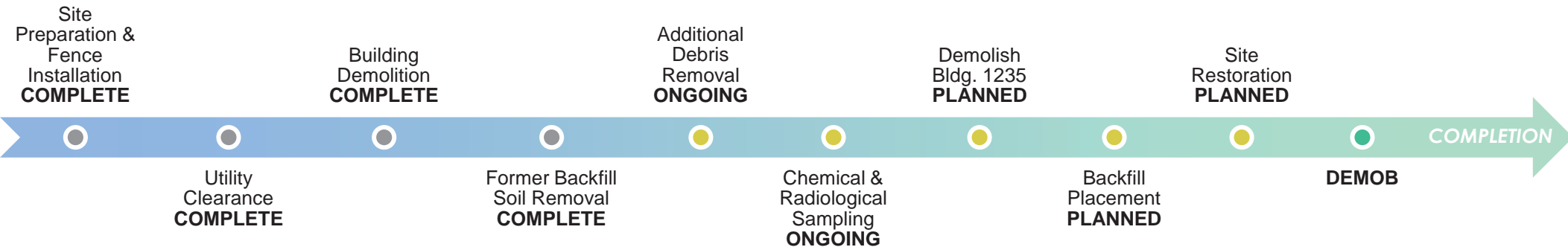
- Project Status: North Point
- Project Status: Bayside
- Project Status: Westside
- Low Level Radiological Object (LLRO) Status
- Dust and Air Quality Monitoring Update
- Activity Schedule
- Contact Information

Project Status: Disposal Area North Point

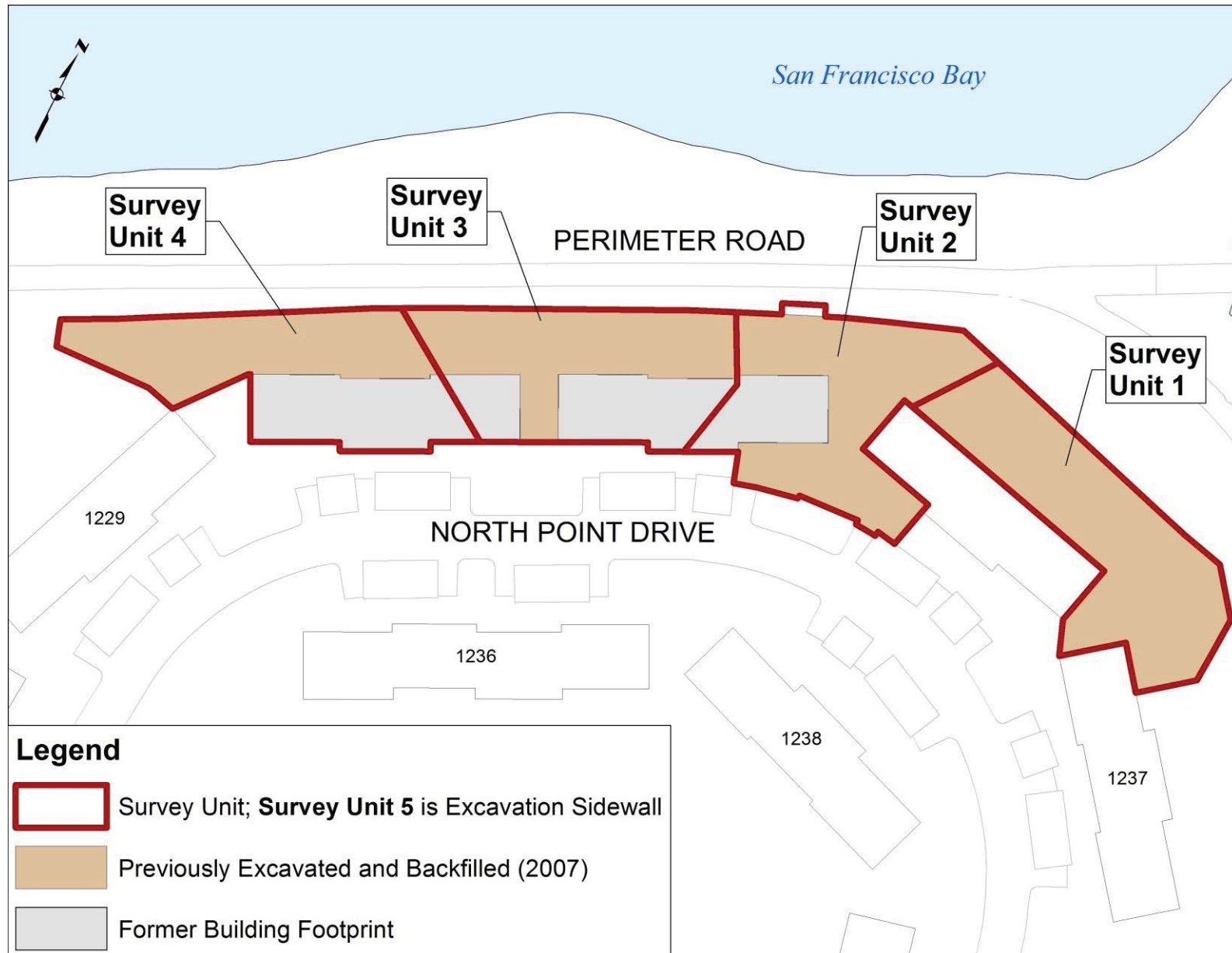


- May 27, 2015: Began excavation of former backfill soil and debris
- Buildings 1231 and 1233 demolished, soil & debris beneath was removed
- Soil excavated (to date): 6,048 cubic yards
 - Planned excavation is 91% complete
- When previous backfill material was removed, debris was documented
- Navy will remove ALL debris, additional excavation planned
- 1 of 5 survey units have been chemically and radiologically sampled
- 12 Rad objects have been discovered
- **NEW** : Debris was documented beneath Building 1235 footprint

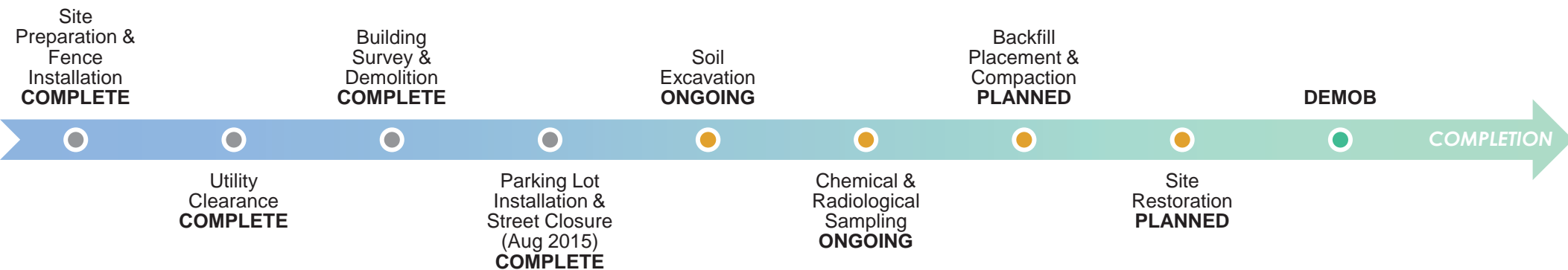
Project Status: Disposal Area North Point



Project Status: Disposal Area North Point

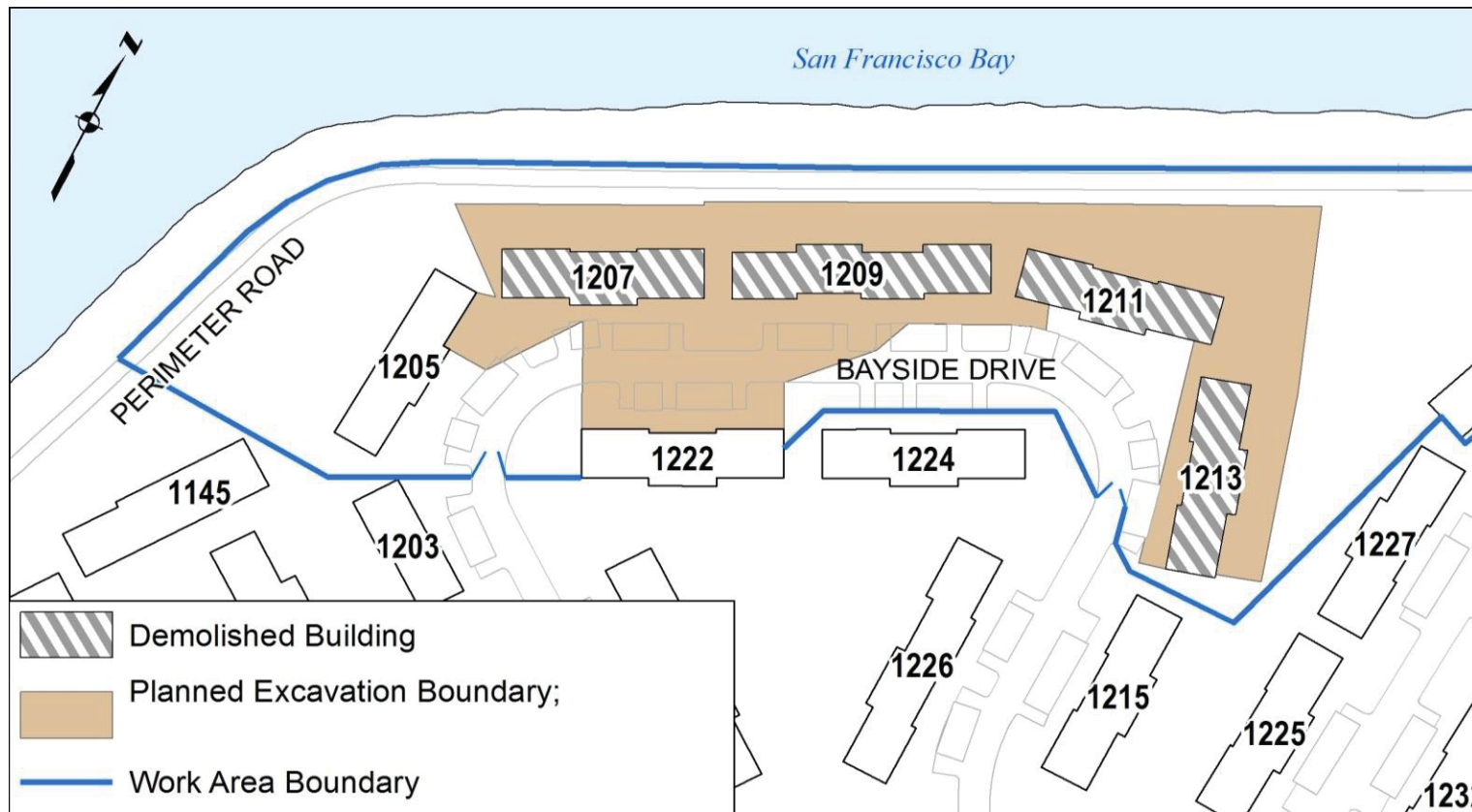
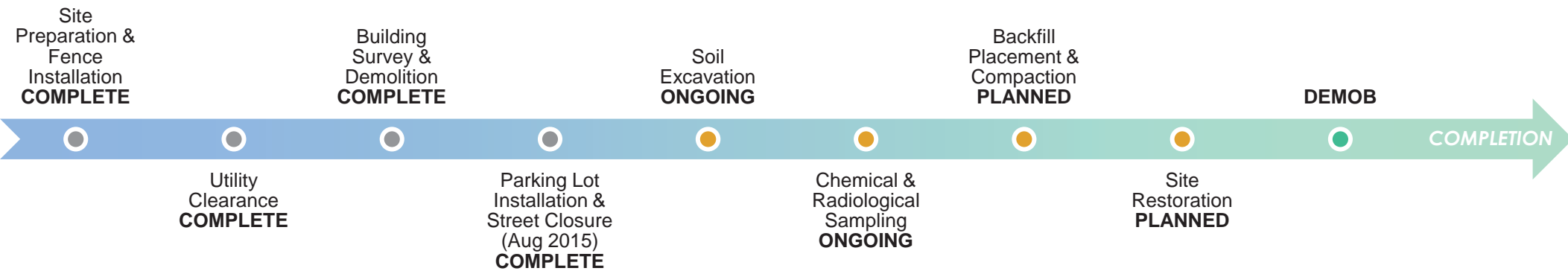


Project Status: Disposal Area Bayside

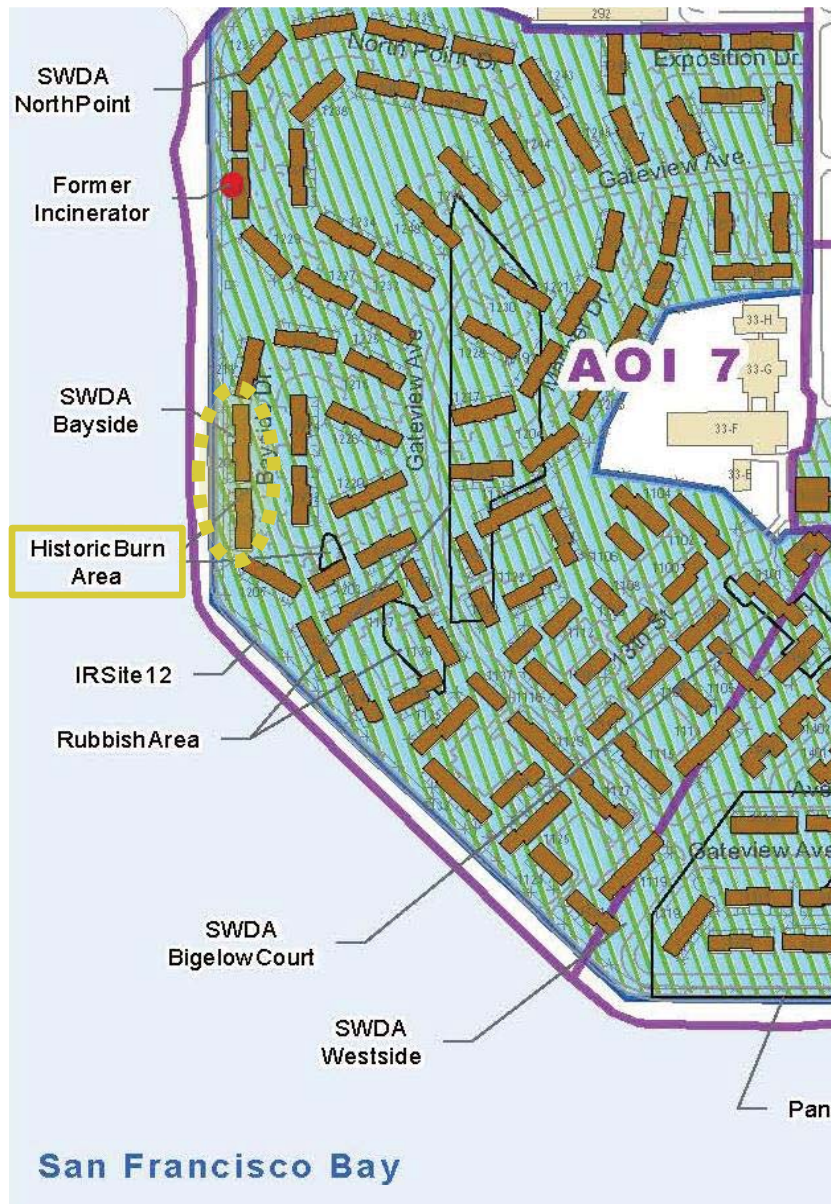


- June 26, 2015: Began excavation of former backfill soil and debris
- Buildings 1207, 1209, 1211 and 1213 demolished
- Soil excavated (to date): 8,091 cubic yards
 - Planned excavation is 63% complete
- Encountered “Historic Burn Area” at former Buildings 1207/1209
- 66 LLROs removed to date from Disposal Area Bayside

Project Status: Disposal Area Bayside



Project Status: Disposal Area Bayside

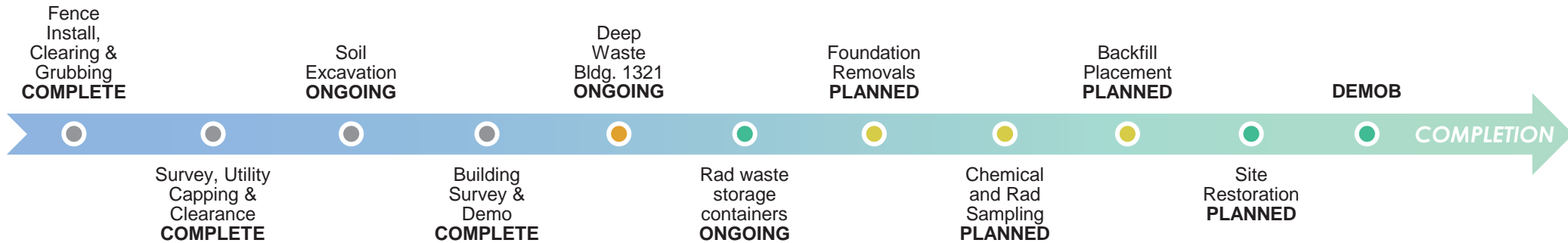


- “Historical Burn Area” documented in area of Building 1207 and 1209 (HRA-STM)
- Darker, burned material. Containing glass, construction debris, and Rad objects
- Munitions scrap was also discovered in burned material



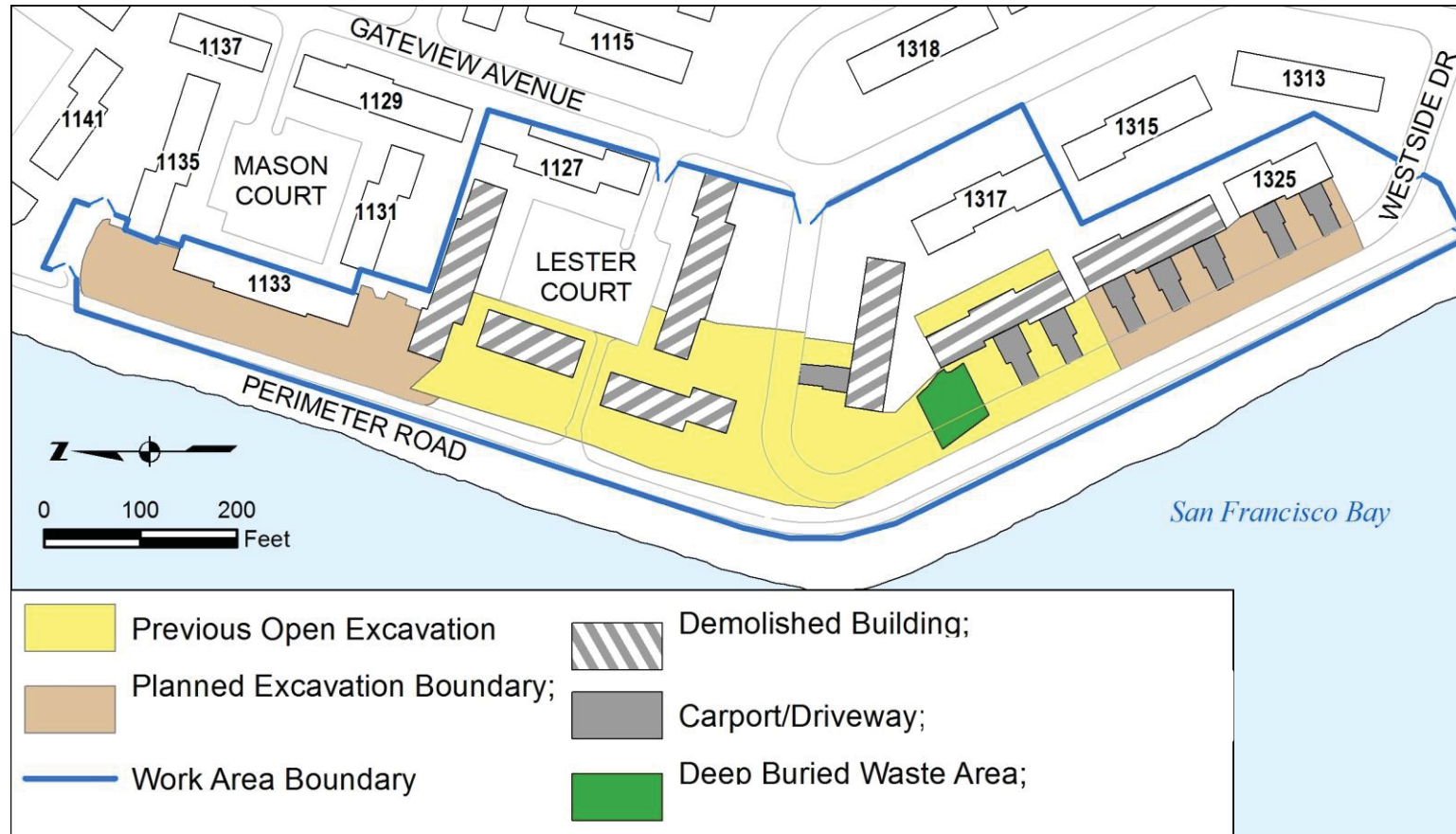
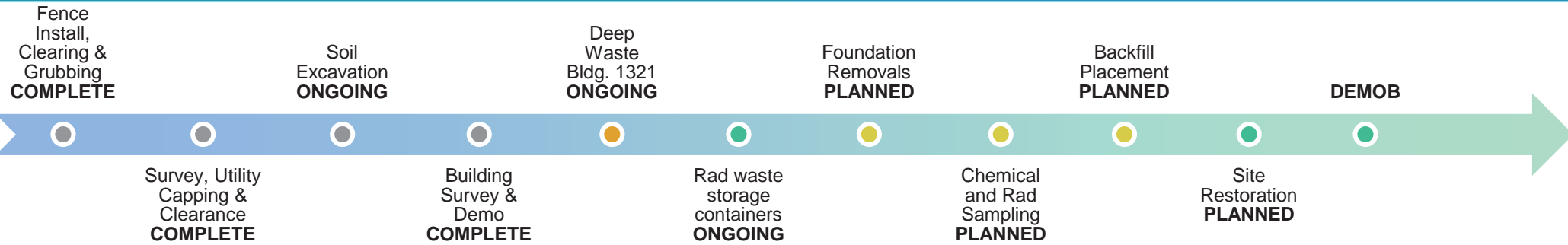
Debris found in Burn Area,

Project Status: Disposal Area Westside



- Sampling of concrete foundations complete - foundation removal planned
- Partially excavated in 2007 – Finishing excavations now
- Total volume remaining to be excavated is approximately 14,000 cubic yards
- Excavation of deeper waste in Building 1321 Area to begin October 2015
- Sorting material from radiological waste storage containers

Project Status: Disposal Area Westside



Project Status: Disposal Area Westside – Deep Buried Waste Area



Aerial view of historical runway and Deep Buried Waste Area

Project Status: Disposal Area Westside – Deep Buried Waste Area



- Historical deep buried waste site located at the end of a former runway
- Located at north east corner of the Building 1321 footprint
- Approximately 60' x 60' square to 10 foot depth
- A slide rail shoring system will be used to protect sidewalls from collapsing



Example of Slide Rail System during installation

Project Status: Disposal Area Westside – Radiological Waste Storage Containers



Radiological waste storage containers prepared for sorting



Moving radiological waste storage containers using a fork lift
Into the screening/sorting tent

Project Status: Disposal Area Westside – Radiological Waste Storage Containers



- Work conducted inside sorting tent
- Sorting tent ensures that all material being sorted is contained
- Material within each container is being dewatered, sorted, and repackaged for disposal
- Material is visually inspected by munitions experts
- Munitions scrap is separated from rest of material
- Radiological technicians sort rad objects
- Radiological technicians will survey the storage containers and tent after completion



Sorting/Screening Tent

Low Level Radiological Object (LLRO) Status Update

- 699 LLROs at Treasure Island to date
- Since Site 12 field work started (May 2015), 88 LLROs removed from SWDAs North Point and Bayside
- 10 LLROs extracted from waste containers processed at SWDA Westside . 1 LLRO from the SWDA Westside excavation

Cumulative Number	Item ID Number	Description	Date Recovered	Location Found	Radiation Level Highest Contact (mR/h) ^{Note 1}	Radiation Level Opposite Side Contact (mR/h) ^{Note 2}	Open Window Radiation Level @ 12" (mR/hr) ^{Note 3}	Closed Window Radiation Level @ 12" (mR/hr) ^{Note 4}	MCA Spectrum Identifier ^{Note 5}	Potential Primary Isotope ^{Note 6}	Curie Estimate (mCi) ^{Note 7}
623	07292015-183	1/2" metal object	7/29/2015	Building 1207 burn pit 2' 6" depth	0.3	0.2	<0.2	<0.2	20150803160252	²³⁸ Pu	0.0037
624	07292015-184	1/2" metal object	7/29/2015	Building 1207 burn pit 2' 6" depth	0.6	0.6	<0.2	<0.2	20150803154919	²³⁸ Pu	0.0027
625	07312015-185	1.5" button	7/31/2015	Building 1207 burn pit 2' 6" depth	3.2	3	3.40	<0.2	20150731142715	²³⁸ Pu	0.0318
626	08032015-186	Cable and box	8/3/2015	Building 1209 first lift	0.6	0.4	<0.2	<0.2	20150803142717	²³⁸ Pu	0.0086
627	08032015-187	1/2" button	8/3/2015	Site 32 RSY Pad 14 Use 3 File	1.8	1	<0.2	<0.2	20150803151203	²³⁸ Pu	0.0086
628	08032015-188	1/2" metal chunk	8/3/2015	Building 1209 Unit B found at 2' depth	3.6	2.2	<0.2	<0.2	20150803144217	²³⁸ Pu	0.0122
629	07292015-189	2"x2" metal block	7/29/2015	Building 1207 burn pit 3'depth	0.03	0.015	<0.2	<0.2	20150804080341	²³⁸ Pu	0.0037
630	07292015-190	Metal Cable	7/29/2015	Building 1207 burn pit 3'depth	0.025	0.015	<0.2	<0.2	20150804081839	²³⁸ Pu	0.0011
631	08042015-191	2" Gauge	8/4/2015	Building 1209 lift 2	0.6	0.42	<0.2	<0.2	20150804131059	²³⁸ Pu	0.0054

Snapshot of Radiological Professional's LLRO Tracking Log

Schedule of Milestones



May 2015 – Excavations Started

April 2016 – Excavations Complete

May 2016 – Soil Pad Processing Complete

May 2016 – Radiological Field (Final Status) Surveys Complete

June 2016 – Site Restoration Complete

July 2016 – Waste Disposal Complete

Aug 2016 – Final Status Survey Report

July 2016 – Final Remedial Action Completion Report



Artistic renderings from TIDA website

Contact Information



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QUESTIONS?